

# Ji-Eun Jeong

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,429  
citations

516215

16  
h-index

329751

37  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2088  
citing authors

#	ARTICLE	IF	CITATIONS
1	Semi-crystalline photovoltaic polymers with efficiency exceeding 9% in a $\sim$ 4300 nm thick conventional single-cell device. <i>Energy and Environmental Science</i> , 2014, 7, 3040-3051.	15.6	600
2	Recent advances in organic luminescent materials with narrowband emission. <i>NPG Asia Materials</i> , 2021, 13, .	3.8	209
3	Ultra-Deep-Blue Aggregation-Induced Delayed Fluorescence Emitters: Achieving Nearly 16% EQE in Solution-Processed Nondoped and Doped OLEDs with CIE $x <sub>y</sub>$ ; 0.1. <i>Advanced Functional Materials</i> , 2021, 31, 2102588.	7.8	69
4	Multifunctional Charge Transporting Materials for Perovskite Light-Emitting Diodes. <i>Advanced Materials</i> , 2020, 32, e2002176.	11.1	55
5	Sky-Blue-Emissive Perovskite Light-Emitting Diodes: Crystal Growth and Interfacial Control Using Conjugated Polyelectrolytes as a Hole-Transporting Layer. <i>ACS Nano</i> , 2020, 14, 13246-13255.	7.3	38
6	Biofilm development of <i>Bacillus siamensis</i> ATKU1 on pristine short chain low-density polyethylene: A case study on microbe-microplastics interaction. <i>Journal of Hazardous Materials</i> , 2021, 409, 124516.	6.5	32
7	Conjugated Polyelectrolyte and Aptamer Based Potassium Assay via Single- and Two-Step Fluorescence Energy Transfer with a Tunable Dynamic Detection Range. <i>Advanced Functional Materials</i> , 2014, 24, 1748-1757.	7.8	31
8	Synthesis and Characterization of Water-Soluble Conjugated Oligoelectrolytes for Near-Infrared Fluorescence Biological Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 15937-15947.	4.0	29
9	Rational Molecular Design of Azaacene-Based Narrowband Green-Emitting Fluorophores: Modulation of Spectral Bandwidth and Vibronic Transitions. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 26227-26236.	4.0	27
10	Achievement of high efficiency with extremely low efficiency roll-off in solution-processed thermally activated delayed fluorescence OLEDs manufactured using xanthone-based bipolar host materials. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6780-6787.	2.7	26
11	Carbazole linked phenylquinoline-based fullerene derivatives as acceptors for bulk heterojunction polymer solar cells: effect of interfacial contacts on device performance. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6916.	5.2	21
12	High-Performance, Solution-Processable Thermally Activated Delayed Fluorescent Organic Light-Emitting Diodes Realized via the Adjustment of the Composition of the Organoboron Acceptor Monomer in Copolymer Host Materials. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 35300-35310.	4.0	21
13	Rational Design of Carbazole- and Carboline-Based Polymeric Host Materials for Realizing High-Efficiency Solution-Processed Thermally Activated Delayed Fluorescence Organic Light-Emitting Diode. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 8485-8494.	4.0	21
14	Enhanced Electron Transfer Mediated by Conjugated Polyelectrolyte and Its Application to Washing-Free DNA Detection. <i>Journal of the American Chemical Society</i> , 2018, 140, 2409-2412.	6.6	20
15	An excellent bipolar host material exhibiting EQE of 24.0% with small efficiency roll-off in solution-processable thermally activated delayed fluorescence OLEDs. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13930-13938.	2.7	18
16	Improved Interfacial Crystallization by Synergic Effects of Precursor Solution Stoichiometry and Conjugated Polyelectrolyte Interlayer for High Open-Circuit Voltage of Perovskite Photovoltaic Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 12328-12336.	4.0	17
17	Chromenopyrazole-based bipolar host materials for solution-processable thermally activated delayed fluorescence OLEDs exhibiting high efficiency and low roll-off. <i>Chemical Communications</i> , 2019, 55, 12952-12955.	2.2	16
18	Benzodithiophene-thiophene-based photovoltaic polymers with different side-chains. <i>Journal of Polymer Science Part A</i> , 2015, 53, 854-862.	2.5	15

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19	Pyrimidine-based bipolar host materials for high efficiency solution processed green thermally activated delayed fluorescence OLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2196-2204.	2.7	15
20	Ratiometric Fluorescent Ion Detection in Water with High Sensitivity via Aggregation-Mediated Fluorescence Resonance Energy Transfer Using a Conjugated Polyelectrolyte as an Optical Platform. <i>Macromolecular Rapid Communications</i> , 2013, 34, 772-778.	2.0	14
21	Universal polymeric bipolar hosts for highly efficient solution-processable blue and green thermally activated delayed fluorescence OLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16048-16056.	2.7	14
22	Fast, Localized, and Low-Energy Consumption Self-Healing of Automotive Clearcoats Using a Photothermal Effect Triggered by NIR Radiation. <i>ACS Applied Polymer Materials</i> , 2022, 4, 3802-3810.	2.0	14
23	A Nonconventional Approach to Patterned Nanoarrays of DNA Strands for Template-Assisted Assembly of Polyfluorene Nanowires. <i>Small</i> , 2016, 12, 4254-4263.	5.2	13
24	Combination of conjugated polyelectrolytes and biomolecules: A new optical platform for highly sensitive and selective chemo- and biosensors. <i>Macromolecular Research</i> , 2014, 22, 461-473.	1.0	11
25	Principal factors that determine the extension of detection range in molecular beacon aptamer/conjugated polyelectrolyte bioassays. <i>Chemical Science</i> , 2015, 6, 1887-1894.	3.7	11
26	Isomeric sp <sup>2</sup> -C-conjugated porous organic polymer-mediated photo- and sono-catalytic detoxification of sulfur mustard simulant under ambient conditions. <i>Matter</i> , 2021, 4, 3774-3785.	5.0	10
27	5H-Benzo[d]Benzo[4,5]Imidazo[2,1-b][1,3]Thiazine as a Novel Electron-Acceptor Cored High Triplet Energy Bipolar Host Material for Efficient Solution-Processable Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes. <i>Frontiers in Chemistry</i> , 2020, 8, 61.	1.8	9
28	Influence of Material Properties on the Damage-Reporting and Self-Healing Performance of a Mechanically Active Dynamic Network Polymer in Coating Applications. <i>Molecules</i> , 2021, 26, 2468.	1.7	9
29	Synthesis and optical properties of pH-responsive conjugated polyampholytes. <i>Macromolecular Research</i> , 2015, 23, 457-465.	1.0	8
30	An Ionic 1,4-Bis(styryl)benzene-Based Fluorescent Probe for Mercury(II) Detection in Water via Deprotection of the Thioacetal Group. <i>Sensors</i> , 2016, 16, 2082.	2.1	7
31	Enhanced Polarization Ratio of Electrospun Nanofibers with Increased Intrachain Order by Postsolvent Treatments. <i>Journal of Physical Chemistry B</i> , 2016, 120, 12981-12987.	1.2	6
32	Control of electrostatic interaction between a molecular beacon aptamer and conjugated polyelectrolyte for detection range-tunable ATP assay. <i>Polymer Chemistry</i> , 2017, 8, 6329-6334.	1.9	5
33	Anionic Conjugated Polyelectrolytes for FRET-based Imaging of Cellular Membrane Potential. <i>Photochemistry and Photobiology</i> , 2020, 96, 834-844.	1.3	5
34	A pH-Neutral Polyelectrolyte Hole Transport Layer for Improved Energy Band Structure at the Anode/PTB7 Junction and Improved Solar Cell Performance. <i>Solar Rrl</i> , 2021, 5, 2100521.	3.1	4
35	Exciton energy transfer and bi-exciton annihilation in the emitting layers of thermally activated delayed fluorescence-based OLEDs. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15141-15149.	2.7	4
36	The effect of hydrogen on the electric properties of amorphous InGaZnO with varying Zn content. <i>Journal of the Korean Physical Society</i> , 2013, 63, 209-213.	0.3	3

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37	Modulation of Charge Density of Cationic Conjugated Polyelectrolytes for Improving the FRET-Induced Sensory Signal with Enhanced On/Off Ratio. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 459-466.	1.1	2
38	Nanowires: A Nonconventional Approach to Patterned Nanoarrays of DNA Strands for Template-Assisted Assembly of Polyfluorene Nanowires ( <i>Small</i> 31/2016). <i>Small</i> , 2016, 12, 4160-4160.	5.2	0
39	One-pot synthesis for gradient copolymers via concurrent tandem living radical polymerization: mild and selective transesterification of methyl acrylate through Al(acac) <sub>3</sub> with common alcohols. <i>RSC Advances</i> , 2021, 11, 26049-26055.	1.7	0